Appendix C

Purveyor Supply and Demand Tables

TABLE C-1
AVERAGE/NORMAL YEAR: EXISTING WATER SUPPLIES

EXISTING SUPPLIES[a]	2015	2020	2025	2030	2035	2040	2045	2050
Existing Groundwater[b]								
Alluvial Aquifer								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	1,825	1,825	1,825	1,825	1,825	1,825	1,825	1,825
SCWD	10,500	10,500	10,500	11,500	11,500	11,500	11,500	11,500
VWC	11,675	11,675	11,675	11,675	11,675	11,675	11,675	11,675
Total	*24,000*	*24,000*	*24,000*	*25,000*	*25,000*	*25,000*	*25,000*	*25,000*
Saugus Formation								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525
SCWD[d]	2,850	3,350	3,350	3,350	3,350	3,350	3,350	3,350
VWC	2,850	3,350	3,350	3,350	3,350	3,350	3,350	3,350
Total	*9,225*	*10,225*	*10,225*	*10,225*	*10,225*	*10,225*	*10,225*	*10,225*
Recycled Water[e]								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	325	325	325	325	325	325	325	325
Total	*325*	*325*	*325*	*325*	*325*	*325*	*325*	*325*
Imported Water								
SWP Table A and Carryover[f]								
LACWWD 36[c]	1,656	1,943	2,217	2,489	2,688	2,901	3,091	3,269
NCWD	8,084	8,918	9,320	10,060	10,349	10,755	11,116	11,469
SCWD	23,918	24,263	24,268	23,963	24,541	24,979	25,369	25,787
VWC	24,442	22,776	21,795	20,888	19,822	18,765	17,825	16,875
Total	*58,100*	*57,900*	*57,600*	*57,400*	*57,400*	*57,400*	*57,400*	*57,400*
SWP Flexible Storage Accounts[g]								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	0	0	0	0	0	0	0	0
Total	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*

TABLE C-1 CON'T

	2015	2020	2025	2030	2035	2040	2045	2050
Buena Vista-Rosedale								
LACWWD 36[(c)]	325	375	450	500	525	575	625	650
NCWD	1,600	1,750	1,825	1,975	2,050	2,100	2,175	2,250
SCWD	4,675	4,775	4,775	4,725	4,825	4,900	4,975	5,050
VWC	4,400	4,100	3,950	3,800	3,600	3,425	3,225	3,050
Total	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*
Nickel Water - Newhall Land								
VWC *Total*	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607
Banking Programs[(g)]								
Rosedale Rio-Bravo								
LACWWD 36[(c)]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	0	0	0	0	0	0	0	0
Total	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Semitropic								
LACWWD 36[(c)]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	0	0	0	0	0	0	0	0
Total	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Semitropic – Newhall Land								
VWC *Total*	0	0	0	0	0	0	0	0
TOTAL EXISTING SUPPLIES								
LACWWD 36[(c)]	1,981	2,318	2,667	2,989	3,213	3,476	3,716	3,919
NCWD	15,034	16,018	16,495	17,385	17,749	18,205	18,641	19,069
SCWD	41,943	42,888	42,893	43,538	44,216	44,729	45,194	45,687
VWC	45,299	43,833	42,702	41,645	40,379	39,147	38,007	36,882
Total	**104,257**	**105,057**	**104,757**	**105,557**	**105,557**	**105,557**	**105,558**	**105,557**

Notes:

(a) The distribution of existing and planned supplies does not represent a formal allocation of water supplies among purveyors.

(b) Existing groundwater supplies represent the quantity of groundwater anticipated to be pumped with existing wells. As indicated in Tables 3-8 and 3-9 and Tables 3-4 and 3-5 of the 2009 Groundwater Basin Yield Analysis, individual purveyors may have well capacity in excess of quantities shown in this table. As indicated in Table 3-10, existing and planned groundwater pumping remain within the groundwater operating plan shown on Table 3-5.

(c) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

(d) SCWD's existing Saugus 1 and Saugus 2 wells resumed production in 2011 with the completion of the perchlorate treatment facility.

(e) Per CLWA Draft Recycled Water Master Plan and Newhall Ranch Specific Plan.

(f) SWP supplies are based on the Department of Water Resources "*2009 State Water Project Delivery Reliability Report*."

(g) Not needed in average/normal years.

TABLE C-2
AVERAGE/NORMAL YEAR: PLANNED AND TOTAL WATER SUPPLIES

PLANNED SUPPLIES[a]	2015	2020	2025	2030	2035	2040	2045	2050
Future Groundwater[b]								
Alluvial Aquifer								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC[d]	0	1,000	2,000	3,000	4,000	5,000	6,000	7,000
Total	*-*	*1,000*	*2,000*	*3,000*	*4,000*	*5,000*	*6,000*	*7,000*
Saugus Formation								
LACWWD 36[c][e]	500	500	500	500	500	500	500	500
NCWD	875	875	875	875	875	875	875	875
SCWD	0	0	0	0	0	0	0	0
VWC	0	0	0	0	0	0	0	0
Total	*1,375*	*1,375*	*1,375*	*1,375*	*1,375*	*1,375*	*1,375*	*1,375*
Recycled Water[f]								
LACWWD 36[c]	0	50	50	50	50	50	50	50
NCWD	200	500	1,000	1,275	1,775	2,275	2,775	3,275
SCWD	100	500	1,500	2,275	2,775	3,775	4,775	5,775
VWC	675	1,675	2,675	4,175	5,675	7,675	9,675	11,875
Total	*975*	*2,725*	*5,225*	*7,775*	*10,275*	*13,775*	*17,275*	*20,975*
Banking Programs[g]								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	0	0	0	0	0	0	0	0
Total	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
TOTAL PLANNED SUPPLIES								
LACWWD 36[c]	500	550	550	550	550	550	550	550
NCWD	1,075	1,375	1,875	2,150	2,650	3,150	3,650	4,150
SCWD	100	500	1,500	2,275	2,775	3,775	4,775	5,775
VWC	675	2,675	4,675	7,175	9,675	12,675	15,675	18,875
Total	**2,350**	**5,100**	**8,600**	**12,150**	**15,650**	**20,150**	**24,650**	**29,350**

TABLE C-2 CON'T

PURVEYOR EXISTING AND PLANNED SUPPLIES	2015	2020	2025	2030	2035	2040	2045	2050
LACWWD 36[(c)]	2,481	2,868	3,217	3,539	3,763	4,026	4,266	4,469
NCWD	16,109	17,393	18,370	19,535	20,399	21,355	22,291	23,219
SCWD	42,043	43,388	44,393	45,813	46,991	48,504	49,969	51,462
VWC	45,974	46,508	47,377	48,820	50,054	51,822	53,682	55,757
Total	**106,607**	**110,157**	**113,357**	**117,707**	**121,207**	**125,707**	**130,208**	**134,907**

Notes:

(a) The distribution of existing and planned supplies does not represent a formal allocation of water supplies among purveyors.

(b) Planned groundwater supplies represent new groundwater well capacity that may be required by an individual purveyor's production objectives in the Alluvial Aquifer and the Saugus Formation. When combined with existing purveyor and non-purveyor groundwater supplies, total groundwater production remains within the sustainable ranges identified in Table 3-7 of 2009 Groundwater Basin Yield Analysis. As indicated in Table 3-10, existing and planned groundwater pumping remain within the basin operating plan shown on Table 3- 5.

(c) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

(d) Conversion of Newhall Land agricultural groundwater supplies to VWC M&I supplies.

(e) LACWWD 36 anticipates connecting a newly completed well in 2011.

(f) Per CLWA Draft Recycled Water Master Plan and Newhall Ranch Specific Plan.

(g) Not needed in average/normal years.

TABLE C-3
AVERAGE/NORMAL YEAR: DEMANDS WITH SBX7-7 REDUCTIONS AND COMPARISON TO TOTAL SUPPLIES

WATER DEMANDS W/ AND W/O CONSERVATION[a]	2015	2020	2025	2030	2035	2040	2045	2050
LACWWD 36[b]								
Demand w/o Conservation[c]	1,759	2,189	2,619	3,048	3,478	3,908	4,338	4,768
Anticipated Conservation Objective[d]	176	438	524	610	696	782	868	954
Reduction from Recycled Water[e]	0	50	50	50	50	50	50	50
Net Anticipated Water Conservation[f]	176	388	474	560	646	732	818	904
Demand w/ Conservation[g]	1,584	1,802	2,146	2,489	2,833	3,177	3,521	3,865
Existing and Planned Supplies	*2,481*	*2,868*	*3,217*	*3,539*	*3,763*	*4,026*	*4,266*	*4,469*
SBX7-7 Compliance Calculations								
NCWD								
Demand w/o Conservation[c]	12,571	14,246	15,922	17,598	19,273	20,949	22,624	24,300
20x2020 Reduction[h]	1,365	2,982	3,204	3,489	3,742	3,995	4,248	4,501
Reduction from Recycled Water[e]	200	500	1,000	1,275	1,775	2,275	2,775	3,275
Reduction from Water Conservation[i]	1,165	2,482	2,482	2,482	2,482	2,482	2,482	2,482
Demand w/ Conservation[j]	11,406	11,764	13,439	15,116	16,791	18,467	20,142	21,818
Existing and Planned Supplies	*16,109*	*17,393*	*18,370*	*19,535*	*20,399*	*21,355*	*22,291*	*23,219*
SCWD								
Demand w/o Conservation[c]	31,633	34,814	37,995	41,176	44,357	47,538	50,719	53,900
20x2020 Reduction[k]	3,524	7,557	8,067	8,576	9,085	9,595	10,104	10,614
Reduction from Recycled Water[e]	100	500	1,500	2,275	2,775	3,775	4,775	5,775
Reduction from Water Conservation[i]	3,424	7,057	7,057	7,057	7,057	7,057	7,057	7,057
Demand w/ Conservation[j]	28,209	27,757	30,938	34,119	37,300	40,481	43,662	46,843
Existing and Planned Supplies	*42,043*	*43,388*	*44,393*	*45,813*	*46,991*	*48,504*	*49,969*	*51,462*
VWC								
Demand w/o Conservation[c]	34,107	37,235	40,362	43,490	46,617	49,745	52,872	56,000
20x2020 Reduction[l]	3,962	8,648	9,372	10,095	10,819	11,542	12,266	12,990
Reduction from Recycled Water[e]	1,000	2,000	3,000	4,500	6,000	8,000	10,000	12,200
Reduction from Water Conservation[i]	2,962	6,648	6,648	6,648	6,648	6,648	6,648	6,648
Demand w/ Conservation[j]	31,144	30,587	33,714	36,842	39,968	43,097	46,223	49,352
Existing and Planned Supplies	*45,974*	*46,508*	*47,377*	*48,820*	*50,054*	*51,822*	*53,682*	*55,757*

TABLE C-3 CON'T

REGIONAL SUMMARY	2015	2020	2025	2030	2035	2040	2045	2050
Demand w/o Conservation[(c)]	80,070	88,484	96,898	105,312	113,726	122,140	130,554	138,968
Total 20x2020 Reduction	9,027	19,626	21,166	22,770	24,342	25,914	27,486	29,058
Total Reduction from Recycled Water[(m)]	1,300	3,050	5,550	8,100	10,600	14,100	17,600	21,300
Total Reduction from Water Conservation	7,727	16,576	16,662	16,748	16,833	16,919	17,005	17,091
Demand w/ Conservation	**72,343**	**71,908**	**80,236**	**88,564**	**96,892**	**105,220**	**113,549**	**121,877**
TOTAL EXISTING AND PLANNED SUPPLIES	**106,607**	**110,157**	**113,357**	**117,707**	**121,207**	**125,707**	**130,208**	**134,907**

Notes:

(a) Reflects existing and projected demands in CLWA service area only. CLWA's Annexation Policy requires annexing parties to provide additional fully reliable supplies. Known parties potentially seeking annexation include Legacy/Stevenson Ranch Phase 5, Tapia Canyon and Tesoro Del Valle.
(b) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.
(c) Demand w/o Conservation from Table 2-2.
(d) LACWWD 36 conservation objective estimated at 20% of projected demand commencing 2020; see Table 2-21.
(e) Recycled water projections from Table 4-3.
(f) Net Anticipated Conservation for LACWWD 36 is Anticipated Conservation Objective minus Reduction from Recycled Water.
(g) Demand w/ Conservation for LACWWD 36 is Demand w/o Conservation minus Net Anticipated Conservation.
(h) NCWD 20x2020 Reduction from Table 2-16. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(i) Reduction from Water Conservation is 20x2020 Reduction minus Reduction from Recycled Water for 2015 and 2020; the quantity of water conservation remains at least at 2020 amounts through 2050.
(j) Demand w/ Conservation is Demand w/o Conservation minus Reduction from Water Conservation.
(k) SCWD 20x2020 Reduction from Table 2-18. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(l) VWC 20x2020 Reduction from Table 2-20. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(m) Recycled water reductions do not include demands from Honor Rancho.

TABLE C-4
SINGLE-DRY YEAR: EXISTING WATER SUPPLIES

EXISTING SUPPLIES[a]	2015	2020	2025	2030	2035	2040	2045	2050
Existing Groundwater[b]								
Alluvial Aquifer								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	1,150	1,150	1,150	1,225	1,250	1,250	1,250	1,225
SCWD	8,150	8,150	8,150	8,150	8,150	8,150	8,150	8,150
VWC	11,000	10,950	10,900	11,675	11,650	11,625	11,600	11,275
Total	*20,300*	*20,250*	*20,200*	*21,050*	*21,050*	*21,025*	*21,000*	*20,650*
Saugus Formation								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	4,975	4,975	4,975	4,975	4,975	4,975	4,975	4,975
SCWD[d]	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
VWC	11,925	11,925	11,925	11,925	11,925	11,925	11,925	11,925
Total	*20,400*	*20,400*	*20,400*	*20,400*	*20,400*	*20,400*	*20,400*	*20,400*
Recycled Water[e]								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	325	325	325	325	325	325	325	325
Total	*325*	*325*	*325*	*325*	*325*	*325*	*325*	*325*
Imported Water								
SWP Table A and Carryover[f]								
LACWWD 36[c]	405	436	440	444	468	499	522	543
NCWD	1,722	1,734	1,657	1,630	1,670	1,731	1,786	1,826
SCWD	6,171	5,892	5,208	4,736	4,720	4,710	4,701	4,696
VWC	3,602	2,938	2,694	2,290	2,242	2,161	2,091	2,036
Total	*11,900*	*11,000*	*9,999*	*9,100*	*9,100*	*9,101*	*9,100*	*9,101*
SWP Flexible Storage Accounts[g]								
LACWWD 36[c]	206	185	206	228	241	257	268	279
NCWD	877	738	776	838	859	890	918	939
SCWD	3,143	2,507	2,438	2,436	2,427	2,422	2,418	2,415
VWC	1,834	1,250	1,261	1,177	1,153	1,111	1,075	1,047
Total	*6,060*	*4,680*	*4,681*	*4,679*	*4,680*	*4,680*	*4,679*	*4,680*
Buena Vista-Rosedale								
LACWWD 36[c]	400	450	500	550	575	625	650	675
NCWD	1,650	1,800	1,900	2,025	2,075	2,150	2,225	2,250
SCWD	5,925	6,150	5,950	5,925	5,875	5,850	5,825	5,825

VWC		3,025	2,600	2,650	2,500	2,475	2,375	2,300	2,250
	Total	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*
Nickel Water - Newhall Land									
VWC	*Total*	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607
Banking Programs									
Rosedale Rio-Bravo[h]									
LACWWD 36[c]		775	900	1,000	1,075	1,125	1,200	1,250	1,275
NCWD		3,275	3,625	3,725	4,000	4,050	4,150	4,250	4,325
SCWD		11,750	12,275	11,725	11,575	11,400	11,300	11,200	11,125
VWC		4,200	3,200	3,550	3,350	3,425	3,350	3,300	3,275
	Total	*20,000*	*20,000*	*20,000*	*20,000*	*20,000*	*20,000*	*20,000*	*20,000*
Semitropic[i]									
LACWWD 36[c]		510	594	0	0	0	0	0	0
NCWD		2,170	2,364	0	0	0	0	0	0
SCWD		7,778	8,035	0	0	0	0	0	0
VWC		4,541	4,007	0	0	0	0	0	0
	Total	*15,000*	*15,000*	*0*	*0*	*0*	*0*	*0*	*0*
Semitropic - Newhall Land[j]									
VWC	*Total*	4,950	4,950	4,950	4,950	4,950	4,950	4,950	4,950
TOTAL EXISTING SUPPLIES									
LACWWD 36[c]		2,296	2,565	2,146	2,297	2,409	2,581	2,690	2,772
NCWD		15,819	16,386	14,183	14,693	14,879	15,146	15,404	15,540
SCWD		46,417	46,509	36,971	36,322	36,072	35,932	35,794	35,711
VWC		47,009	43,752	39,862	39,799	39,752	39,429	39,173	38,690
	Total	**111,542**	**109,212**	**93,162**	**93,111**	**93,112**	**93,088**	**93,061**	**92,713**

Notes:

(a) The distribution of existing and planned supplies does not represent a formal allocation of water supplies among purveyors.

(b) Existing groundwater supplies represent the quantity of groundwater anticipated to be pumped with existing wells. As indicated in Tables 3-8 and 3-9 and Tables 3-4 and 3-5 of the 2009 Groundwater Basin Yield Analysis, individual purveyors may have well capacity in excess of quantities shown above. Existing pumping is consistent with Table 3-8 of the 2009 Groundwater Basin Yield Analysis for 1977 single-dry year. As indicated in Table 3-11, existing and planned groundwater pumping remain within the groundwater operating plan shown on Table 3-5.

(c) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

(d) SCWD's existing Saugus 1 and Saugus 2 wells resumed production in 2011 with the completion of the perchlorate treatment facility.

(e) Per CLWA Draft Recycled Water Master Plan and Newhall Ranch Specific Plan.

(f) SWP supplies are based on the Department of Water Resources "2009 State Water Project Delivery Reliability Report."

(g) Includes both CLWA and Ventura County entities flexible storage accounts. Initial term of agreement with Ventura County entities expires after 2015.

(h) CLWA has a maximum withdrawal capacity of 20,000 AFY and a storage capacity of 100,000 AF. As of 6/1/2011, there is 100,000 AF of recoverable water.

(i) CLWA has 45,920 AF of recoverable water as of 6/1/2011.

(j) Newhall Land has a maximum withdrawal capacity of 4,950 AFY and a storage capacity of 55,000 AF. As of 6/1/2011 there is 18,892 AF of recoverable water. Delivery of stored water from the Newhall Land's Semitropic Water Banking and Exchange Program is assumed available to VWC.

TABLE C-5
SINGLE-DRY YEAR: PLANNED AND TOTAL WATER SUPPLIES

PLANNED SUPPLIES[a]	2015	2020	2025	2030	2035	2040	2045	2050
Future Groundwater[b]								
Alluvial Aquifer								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	200	250	300	850	850	875	900	750
VWC[d]	0	1,000	2,000	3,000	4,000	5,000	6,000	7,000
Total	*200*	*1,250*	*2,300*	*3,850*	*4,850*	*5,875*	*6,900*	*7,750*
Saugus Formation								
LACWWD 36[c][e]	500	825	875	925	975	1,000	1,050	1,075
NCWD	1,400	2,950	3,025	3,150	3,200	3,275	3,325	3,400
SCWD	975	5,175	5,200	5,150	5,250	5,325	5,400	5,475
VWC (Restored Well)	825	3,777	3,777	3,777	3,777	3,777	3,777	3,750
VWC (New Wells)	-	973	823	698	498	323	148	-
Total	*3,700*	*13,700*	*13,700*	*13,700*	*13,700*	*13,700*	*13,700*	*13,700*
Recycled Water[f]								
LACWWD 36[c]	0	50	50	50	50	50	50	50
NCWD	200	500	1,000	1,275	1,775	2,275	2,775	3,275
SCWD	100	500	1,500	2,275	2,775	3,775	4,775	5,775
VWC	675	1,675	2,675	4,175	5,675	7,675	9,675	11,875
Total	*975*	*2,725*	*5,225*	*7,775*	*10,275*	*13,775*	*17,275*	*20,975*
Banking Programs[g]								
LACWWD 36[c]	0	0	440	488	1,028	1,097	1,147	1,193
NCWD	0	0	1,657	1,791	3,670	3,804	3,925	4,012
SCWD	0	0	5,208	5,205	10,374	10,351	10,332	10,321
VWC	0	0	2,694	2,516	4,928	4,749	4,596	4,474
Total	*0*	*0*	*10,000*	*10,000*	*20,000*	*20,000*	*20,000*	*20,000*
TOTAL PLANNED SUPPLIES								
LACWWD 36[c]	500	875	1,365	1,463	2,053	2,147	2,247	2,318
NCWD	1,600	3,450	5,682	6,216	8,645	9,354	10,025	10,687
SCWD	1,275	5,925	12,208	13,480	19,249	20,326	21,407	22,321
VWC	1,500	7,425	11,969	14,166	18,878	21,524	24,196	27,099
Total	**4,875**	**17,675**	**31,225**	**35,325**	**48,825**	**53,350**	**57,875**	**62,425**

TABLE C-5 CON'T

PURVEYOR EXISTING AND PLANNED SUPPLIES								
LACWWD 36[(c)]	2,796	3,440	3,511	3,760	4,462	4,728	4,937	5,090
NCWD	17,419	19,836	19,865	20,909	23,524	24,500	25,429	26,227
SCWD	47,692	52,434	49,179	49,802	55,321	56,258	57,201	58,032
VWC	48,509	51,177	51,831	53,965	58,630	60,953	63,369	65,789
Total	**116,417**	**126,887**	**124,387**	**128,436**	**141,937**	**146,438**	**150,936**	**155,138**

Notes:

(a) The distribution of existing and planned supplies does not represent a formal allocation of water supplies among purveyors.

(b) Planned groundwater supplies represent new groundwater well capacity that may be required by an individual purveyor's production objectives in the Alluvial Aquifer and the Saugus Formation, including 3,777 AFY of restored capacity from VWC Well 201 and approximately 10,000 AFY of new Saugus Formation well capacity. When combined with existing purveyor and non-purveyor groundwater supplies, total groundwater production is consistent with the 1977 single dry-year levels identified in Table 3-8 of the 2009 Groundwater Basin Yield Analysis. As indicated in Table 3-11, existing and planned groundwater pumping remain within the groundwater operating plan shown on Table 3- 5.

(c) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

(d) Conversion of Newhall Land agricultural groundwater supplies to VWC M&I supplies.

(e) Includes 500 AFY from a newly completed well in 2011.

(f) Per CLWA Draft Recycled Water Master Plan and Newhall Ranch Specific Plan.

(g) Includes 10,000 AF of additional banking programs by 2025 and an additional 10,000 AF by 2035.

TABLE C-6
SINGLE-DRY YEAR: DEMANDS WITH SBX7-7 REDUCTIONS AND COMPARISON TO TOTAL SUPPLIES

WATER DEMANDS W/ AND W/O CONSERVATION[a]	2015	2020	2025	2030	2035	2040	2045	2050
LACWWD 36[b]								
Demand w/o Conservation[c]	1,935	2,408	2,881	3,353	3,826	4,299	4,772	5,245
Anticipated Conservation Objective[d]	176	438	524	610	696	782	868	954
Reduction from Recycled Water[e]	0	50	50	50	50	50	50	50
Net Anticipated Water Conservation[f]	176	388	474	560	646	732	818	904
Demand w/ Conservation[g]	1,759	2,020	2,407	2,794	3,181	3,568	3,955	4,342
Existing and Planned Supplies	*2,796*	*3,440*	*3,511*	*3,760*	*4,462*	*4,728*	*4,937*	*5,090*
SBX7-7 Compliance Calculations								
NCWD								
Demand w/o Conservation[c]	13,828	15,671	17,514	19,358	21,200	23,044	24,886	26,730
20x2020 Reduction[h]	1,365	2,982	3,204	3,489	3,742	3,995	4,248	4,501
Reduction from Recycled Water[e]	200	500	1,000	1,275	1,775	2,275	2,775	3,275
Reduction from Water Conservation[i]	1,165	2,482	2,482	2,482	2,482	2,482	2,482	2,482
Demand w/ Conservation[j]	12,663	13,188	15,031	16,876	18,718	20,562	22,404	24,248
Existing and Planned Supplies	*17,419*	*19,836*	*19,865*	*20,909*	*23,524*	*24,500*	*25,429*	*26,227*
SCWD								
Demand w/o Conservation[c]	34,796	38,295	41,795	45,294	48,793	52,292	55,791	59,290
20x2020 Reduction[k]	3,524	7,557	8,067	8,576	9,085	9,595	10,104	10,614
Reduction from Recycled Water[e]	100	500	1,500	2,275	2,775	3,775	4,775	5,775
Reduction from Water Conservation[i]	3,424	7,057	7,057	7,057	7,057	7,057	7,057	7,057
Demand w/ Conservation[j]	31,372	31,238	34,737	38,236	41,736	45,235	48,734	52,233
Existing and Planned Supplies	*47,692*	*52,434*	*49,179*	*49,802*	*55,321*	*56,258*	*57,201*	*58,032*
VWC								
Demand w/o Conservation[c]	37,517	40,959	44,398	47,839	51,278	54,720	58,159	61,600
20x2020 Reduction[l]	3,962	8,648	9,372	10,095	10,819	11,542	12,266	12,990
Reduction from Recycled Water[e]	1,000	2,000	3,000	4,500	6,000	8,000	10,000	12,200
Reduction from Water Conservation[i]	2,962	6,648	6,648	6,648	6,648	6,648	6,648	6,648
Demand w/ Conservation[j]	**34,555**	**34,310**	**37,750**	**41,191**	**44,630**	**48,072**	**51,511**	**54,951**
Existing and Planned Supplies	*48,509*	*51,177*	*51,831*	*53,965*	*58,630*	*60,953*	*63,369*	*65,789*

TABLE C-6 CON'T

REGIONAL SUMMARY	2015	2020	2025	2030	2035	2040	2045	2050
Demand w/o Conservation[(c)]	88,077	97,333	106,588	115,843	125,099	134,354	143,609	152,865
Total 20x2020 Reduction	9,027	19,626	21,166	22,770	24,342	25,914	27,486	29,058
Total Reduction from Recycled Water[(m)]	1,300	3,050	5,550	8,100	10,600	14,100	17,600	21,300
Total Reduction from Water Conservation	7,727	16,576	16,662	16,748	16,833	16,919	17,005	17,091
Demand w/ Conservation	**80,350**	**80,757**	**89,926**	**99,096**	**108,265**	**117,434**	**126,604**	**135,773**
TOTAL EXISTING AND PLANNED SUPPLIES	**116,417**	**126,887**	**124,387**	**128,436**	**141,937**	**146,438**	**150,936**	**155,138**

Notes:

(a) Reflects existing and projected demands in CLWA service area only. CLWA's Annexation Policy requires annexing parties to provide additional fully reliable supplies. Known parties potentially seeking annexation include Legacy/Stevenson Ranch Phase 5, Tapia Canyon and Tesoro Del Valle.
(b) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.
(c) Demand w/o Conservation from Table 2-2. Includes a 10% increase in demand during dry years.
(d) LACWWD 36 conservation objective estimated at 20% of projected demand commencing 2020; see Table 2-21.
(e) Recycled water projections from Table 4-3.
(f) Net Anticipated Conservation for LACWWD 36 is Anticipated Conservation Objective minus Reduction from Recycled Water.
(g) Demand w/ Conservation for LACWWD 36 is Demand w/o Conservation minus Net Anticipated Conservation.
(h) NCWD 20x2020 Reduction from Table 2-16. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(i) Reduction from Water Conservation is 20x2020 Reduction minus Reduction from Recycled Water for 2015 and 2020; the quantity of water conservation remains at least at 2020 amounts through 2050.
(j) Demand w/ Conservation is Demand w/o Conservation minus Reduction from Water Conservation.
(k) SCWD 20x2020 Reduction from Table 2-18. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(l) VWC 20x2020 Reduction from Table 2-20. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(m) Recycled water reductions do not include demands from Honor Rancho.

TABLE C-7
EXISTING MULTIPLE-DRY YEAR: EXISTING WATER SUPPLIES

EXISTING SUPPLIES[a]	2015	2020	2025	2030	2035	2040	2045	2050
Existing Groundwater[b]								
Alluvial Aquifer								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	1,125	1,125	1,125	1,200	1,200	1,200	1,200	1,175
SCWD	7,650	7,675	7,700	8,175	8,175	8,175	8,175	8,025
VWC	11,650	11,625	11,600	12,450	12,450	12,450	12,450	12,125
Total	*20,425*	*20,425*	*20,425*	*21,825*	*21,825*	*21,825*	*21,825*	*21,325*
Saugus Formation								
LACWWD 36[c]								
NCWD	4,975	4,975	4,975	4,975	4,975	4,975	4,975	4,975
SCWD[d]	3,550	3,550	3,550	3,550	3,550	3,550	3,550	3,550
VWC	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175
Total	*19,700*	*19,700*	*19,700*	*19,700*	*19,700*	*19,700*	*19,700*	*19,700*
Recycled Water[e]								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC	325	325	325	325	325	325	325	325
Total	*325*	*325*	*325*	*325*	*325*	*325*	*325*	*325*
Imported Water								
SWP Table A and Carryover[f]								
LACWWD 36[c]	1,117	1,278	1,423	1,592	1,691	1,801	1,895	1,968
NCWD	4,915	4,149	4,543	5,058	5,310	5,592	5,834	6,029
SCWD	18,006	16,666	16,406	16,492	16,519	16,542	16,574	16,601
VWC	8,862	10,807	10,628	9,858	9,479	9,065	8,697	8,401
Total	*32,900*	*32,900*	*33,000*	*33,000*	*33,000*	*33,000*	*33,000*	*33,000*
SWP Flexible Storage Accounts[g]								
LACWWD 36[c]	51	45	50	56	60	64	67	70
NCWD	226	148	161	179	188	198	207	214
SCWD	826	593	582	585	586	586	588	589
VWC	407	384	377	350	336	321	308	298
Total	*1,510*	*1,170*	*1,170*	*1,170*	*1,170*	*1,170*	*1,170*	*1,170*
Buena Vista-Rosedale								
LACWWD 36[c]	400	450	500	550	575	625	650	675
NCWD	1,700	1,450	1,575	1,750	1,825	1,925	2,000	2,050
SCWD	6,250	5,800	5,650	5,675	5,675	5,650	5,650	5,650
VWC	2,650	3,300	3,275	3,025	2,925	2,800	2,700	2,625

	Total	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*	*11,000*
Nickel Water - Newhall Land									
VWC	*Total*	1,607	1,607	1,607	1,607	1,607	1,607	1,607	1,607
Banking Programs									
Rosedale Rio-Bravo[h]									
LACWWD 36[c]		577	662	723	801	842	890	931	961
NCWD		2,540	2,150	2,308	2,545	2,643	2,763	2,865	2,944
SCWD		9,306	8,636	8,336	8,297	8,222	8,174	8,139	8,107
VWC		2,577	3,552	3,633	3,357	3,292	3,173	3,065	2,988
	Total	*15,000*	*15,000*	*15,000*	*15,000*	*15,000*	*15,000*	*15,000*	*15,000*
Semitropic[i]									
LACWWD 36[c]		390	447	0	0	0	0	0	0
NCWD		1,718	1,450	0	0	0	0	0	0
SCWD		6,294	5,826	0	0	0	0	0	0
VWC		3,098	3,777	0	0	0	0	0	0
	Total	*11,500*	*11,500*	*0*	*0*	*0*	*0*	*0*	*0*
Semitropic – Newhall Land[j]									
VWC		4,950	4,950	4,950	4,950	4,950	4,950	4,950	4,950
TOTAL EXISTING SUPPLIES									
LACWWD 36[c]		2,536	2,882	2,696	3,000	3,168	3,380	3,543	3,674
NCWD		17,200	15,447	14,687	15,707	16,142	16,654	17,080	17,387
SCWD		51,882	48,745	42,224	42,774	42,727	42,678	42,676	42,522
VWC		47,300	51,502	47,570	47,096	46,540	45,866	45,278	44,494
	Total	**118,917**	**118,577**	**107,177**	**108,577**	**108,577**	**108,577**	**108,577**	**108,077**

Notes:

(a) The distribution of existing and planned supplies does not represent a formal allocation of water supplies among purveyors.

(b) Existing groundwater supplies represent the quantity of groundwater anticipated to be pumped with existing wells. As indicated in Tables 3-8 and 3-9 and Tables 3-4 and 3-5 of the 2009 Groundwater Basin Yield Analysis, individual purveyors may have well capacity in excess of quantities shown above. Existing pumping is consistent with Table 3-8 of the 2009 Groundwater Basin Yield Analysis for 1931-1934 multiple dry-year levels. As indicated in Table 3-12, existing and planned groundwater pumping remain within the groundwater operating plan shown on Table 3-5.

(c) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

(d) SCWD's existing Saugus 1 and Saugus 2 wells resumed production in 2011 with the completion of the perchlorate treatment facility.

(e) Per CLWA Draft Recycled Water Master Plan and Newhall Ranch Specific Plan.

(f) SWP supplies are based on the Department of Water Resources "2009 State Water Project Delivery Reliability Report."

(g) Includes both CLWA and Ventura County entities flexible storage accounts. Initial term of agreement with Ventura County entities expires after 2015.

(h) CLWA has a maximum withdrawal capacity of 20,000 AFY and a storage capacity of 100,000 AF. As of 6/1/2011, there is 100,000 AF of recoverable water.

(i) CLWA has 45,920 AF of recoverable water as of 6/1/2011.

(j) Newhall Land has a maximum withdrawal capacity of 4,950 AFY and a storage capacity of 55,000 AF. As of 6/1/2011 there is 18,892 AF of recoverable water. Delivery of stored water from the Newhall Land's Semitropic Water Banking and Exchange Program is assumed available to VWC.

TABLE C-8
MULTIPLE-DRY YEAR: PLANNED AND TOTAL WATER SUPPLIES

PLANNED SUPPLIES[a]	2015	2020	2025	2030	2035	2040	2045	2050
Future Groundwater[b]								
Alluvial Aquifer								
LACWWD 36[c]	0	0	0	0	0	0	0	0
NCWD	0	0	0	0	0	0	0	0
SCWD	0	0	0	0	0	0	0	0
VWC[d]	0	1,000	2,000	3,000	4,000	5,000	6,000	7,000
Total	*0*	*1,000*	*2,000*	*3,000*	*4,000*	*5,000*	*6,000*	*7,000*
Saugus Formation								
LACWWD 36[c][e]	500	750	800	825	850	875	900	925
NCWD	1,250	3,875	3,950	4,050	4,075	4,125	4,175	4,225
SCWD	500	5,700	5,700	5,675	5,750	5,825	5,875	5,925
VWC (Restored Well)	2,375	1,625	1,500	1,400	1,275	1,125	1,000	875
VWC (New Wells)	0	0	0	0	0	0	0	0
Total	*4,625*	*11,950*	*11,950*	*11,950*	*11,950*	*11,950*	*11,950*	*11,950*
Recycled Water[f]								
LACWWD 36[c]	0	50	50	50	50	50	50	50
NCWD	200	500	1,000	1,275	1,775	2,275	2,775	3,275
SCWD	100	500	1,500	2,275	2,775	3,775	4,775	5,775
VWC	675	1,675	2,675	4,175	5,675	7,675	9,675	11,875
Total	*975*	*2,725*	*5,225*	*7,775*	*10,275*	*13,775*	*17,275*	*20,975*
Banking Programs[g]								
LACWWD 36[c]	0	0	323	362	769	819	861	895
NCWD	0	0	1,032	1,150	2,414	2,542	2,652	2,741
SCWD	0	0	3,729	3,748	7,509	7,519	7,534	7,546
VWC	0	0	2,416	2,240	4,309	4,120	3,953	3,819
Total	*0*	*0*	*7,500*	*7,500*	*15,000*	*15,000*	*15,000*	*15,000*
TOTAL PLANNED SUPPLIES								
LACWWD 36[c]	500	800	1,173	1,237	1,669	1,744	1,811	1,870
NCWD	1,450	4,375	5,982	6,475	8,264	8,942	9,602	10,241
SCWD	600	6,200	10,929	11,698	16,034	17,119	18,184	19,246
VWC	3,050	4,300	8,591	10,815	15,259	17,920	20,628	23,569
Total	**5,600**	**15,675**	**26,675**	**30,225**	**41,225**	**45,725**	**50,225**	**54,925**

TABLE C-8 CON'T

PURVEYOR EXISTING AND PLANNED SUPPLIES								
LACWWD 36[(c)]	3,036	3,682	3,869	4,237	4,837	5,124	5,354	5,544
NCWD	18,650	19,822	20,670	22,182	24,406	25,596	26,682	27,628
SCWD	52,482	54,945	53,152	54,472	58,761	59,797	60,860	61,768
VWC	50,350	55,802	56,161	57,912	61,799	63,786	65,906	68,063
Total	**124,517**	**134,252**	**133,852**	**138,802**	**149,802**	**154,302**	**158,802**	**163,002**

Notes:

(a) The distribution of existing and planned supplies does not represent a formal allocation of water supplies among purveyors.

(b) Planned groundwater supplies represent new groundwater well capacity that may be required by an individual purveyor's production objectives in the Alluvial Aquifer and the Saugus Formation, including 3,777 AFY of restored capacity from VWC Well 201 and approximately 10,000 AFY of new Saugus Formation well capacity. When combined with existing purveyor and non-purveyor groundwater supplies, total groundwater production is consistent with the 1931-1934 multiple dry-year levels identified in Table 3-8 of the 2009 Groundwater Basin Yield Analysis. As indicated in Table 3-12, existing and planned groundwater pumping remain within the groundwater operating plan shown on Table 3- 5.

(c) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

(d) Conversion of Newhall Land agricultural groundwater supplies to VWC M&I supplies.

(e) Includes 500 AFY from a newly completed well in 2011.

(f) Per CLWA Draft Recycled Water Master Plan and Newhall Ranch Specific Plan.

(g) Includes 10,000 AF of additional banking programs by 2025 and an additional 10,000 AF by 2035.

TABLE C-9
MULTIPLE-DRY YEAR: DEMANDS WITH SBX7-7 REDUCTIONS AND COMPARISON TO TOTAL SUPPLIES

WATER DEMANDS W/ AND W/O CONSERVATION[a]	2015	2020	2025	2030	2035	2040	2045	2050
LACWWD 36[b]								
Demand w/o Conservation[c]	1,935	2,408	2,881	3,353	3,826	4,299	4,772	5,245
Anticipated Conservation Objective[d]	176	438	524	610	696	782	868	954
Reduction from Recycled Water[e]	0	50	50	50	50	50	50	50
Net Anticipated Water Conservation[f]	176	388	474	560	646	732	818	904
Demand w/ Conservation[g]	1,759	2,020	2,407	2,794	3,181	3,568	3,955	4,342
Existing and Planned Supplies	*3,036*	*3,682*	*3,869*	*4,237*	*4,837*	*5,124*	*5,354*	*5,544*
SBX7-7 Compliance Calculations								
NCWD								
Demand w/o Conservation[c]	13,828	15,671	17,514	19,358	21,200	23,044	24,886	26,730
20x2020 Reduction[h]	1,365	2,982	3,204	3,489	3,742	3,995	4,248	4,501
Reduction from Recycled Water[e]	200	500	1,000	1,275	1,775	2,275	2,775	3,275
Reduction from Water Conservation[i]	1,165	2,482	2,482	2,482	2,482	2,482	2,482	2,482
Demand w/ Conservation[j]	12,663	13,188	15,031	16,876	18,718	20,562	22,404	24,248
Existing and Planned Supplies	*18,650*	*19,822*	*20,670*	*22,182*	*24,406*	*25,596*	*26,682*	*27,628*
SCWD								
Demand w/o Conservation[c]	34,796	38,295	41,795	45,294	48,793	52,292	55,791	59,290
20x2020 Reduction[k]	3,524	7,557	8,067	8,576	9,085	9,595	10,104	10,614
Reduction from Recycled Water[e]	100	500	1,500	2,275	2,775	3,775	4,775	5,775
Reduction from Water Conservation[i]	3,424	7,057	7,057	7,057	7,057	7,057	7,057	7,057
Demand w/ Conservation[j]	31,372	31,238	34,737	38,236	41,736	45,235	48,734	52,233
Existing and Planned Supplies	*52,482*	*54,945*	*53,152*	*54,472*	*58,761*	*59,797*	*60,860*	*61,768*
VWC								
Demand w/o Conservation[c]	37,517	40,959	44,398	47,839	51,278	54,720	58,159	61,600
20x2020 Reduction[l]	3,962	8,648	9,372	10,095	10,819	11,542	12,266	12,990
Reduction from Recycled Water[e]	1,000	2,000	3,000	4,500	6,000	8,000	10,000	12,200
Reduction from Water Conservation[i]	2,962	6,648	6,648	6,648	6,648	6,648	6,648	6,648
Demand w/ Conservation[j]	**34,555**	**34,310**	**37,750**	**41,191**	**44,630**	**48,072**	**51,511**	**54,951**
Existing and Planned Supplies	*50,350*	*55,802*	*56,161*	*57,912*	*61,799*	*63,786*	*65,906*	*68,063*

TABLE C-9 CON'T

REGIONAL SUMMARY	2015	2020	2025	2030	2035	2040	2045	2050
Demand w/o Conservation[(c)]	88,077	97,333	106,588	115,843	125,099	134,354	143,609	152,865
Total 20x2020 Reduction	9,027	19,626	21,166	22,770	24,342	25,914	27,486	29,058
Total Reduction from Recycled Water[(m)]	1,300	3,050	5,550	8,100	10,600	14,100	17,600	21,300
Total Reduction from Water Conservation	7,727	16,576	16,662	16,748	16,833	16,919	17,005	17,091
Demand w/ Conservation	**80,350**	**80,757**	**89,926**	**99,096**	**108,265**	**117,434**	**126,604**	**135,773**
TOTAL EXISTING AND PLANNED SUPPLIES	**124,517**	**134,252**	**133,852**	**138,802**	**149,802**	**154,302**	**158,802**	**163,002**

Notes:

(a) Reflects existing and projected demands in CLWA service area only. CLWA's Annexation Policy requires annexing parties to provide additional fully reliable supplies. Known parties potentially seeking annexation include Legacy/Stevenson Ranch Phase 5, Tapia Canyon and Tesoro Del Valle.
(b) LACWWD 36 included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.
(c) Demand w/o Conservation from Table 2-2. Includes a 10% increase in demand during dry years.
(d) LACWWD 36 conservation objective estimated at 20% of projected demand commencing 2020; see Table 2-21.
(e) Recycled water projections from Table 4-3.
(f) Net Anticipated Conservation for LACWWD 36 is Anticipated Conservation Objective minus Reduction from Recycled Water.
(g) Demand w/ Conservation for LACWWD 36 is Demand w/o Conservation minus Net Anticipated Conservation.
(h) NCWD 20x2020 Reduction from Table 2-16. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(i) Reduction from Water Conservation is 20x2020 Reduction minus Reduction from Recycled Water for 2015 and 2020; the quantity of water conservation remains at least at 2020 amounts through 2050.
(j) Demand w/ Conservation is Demand w/o Conservation minus Reduction from Water Conservation.
(k) SCWD 20x2020 Reduction from Table 2-18. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(l) VWC 20x2020 Reduction from Table 2-20. The 20% conservation requirement is assumed to continue through 2050 and continue to be met with a mixture of recycled water and conservation.
(m) Recycled water reductions do not include demands from Honor Rancho.